What is claimed is:

1. A torque controller for an internal combustion engine, comprising:

means for calculating target engine output power, which an internal combustion engine produces through combustion, in accordance with an amount of accelerator operation by a driver;

means for detecting a number of engine revolutions of said internal combustion engine;

means for calculating target engine output torque, which said internal combustion engine produces through combustion, based on the target engine output power calculated by said target engine output power calculating means and the number of engine revolutions detected by said rotational speed detecting means; and

means for driving an actuator installed on said internal combustion engine based on the target engine output torque calculated by said target engine output torque calculating means, wherein

said target engine output torque calculating means calculates the target engine output torque using a predetermined formula with the target engine output power and the number of engine revolutions as parameters.

2. The torque controller for an internal combustion engine according to claim 1, further comprising:

means for calculating a mechanical energy loss of said internal combustion engine as engine torque loss; and

means for calculating the target engine shaft torque based on the target engine output torque calculated by said target engine

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output torque calculating means and the engine torque loss calculated by said engine torque loss operating means, and wherein

said control means drive said actuator based on the target engine shaft torque calculated by said target engine shaft torque calculating means.

3. The torque controller for an internal combustion engine according to claim 1, wherein said predetermined formula is given by:

$T = P / Ne$, where T is the target engine output torque, P is the target engine output power, and Ne is the number of engine revolutions.

4. The torque controller for an internal combustion engine according to claim 2, wherein said predetermined formula is given by:

$T = P / Ne$, where T is the target engine output torque, P is the target engine output power, and Ne is the number of engine revolutions.